

What is claimed is:

1. A copper base alloy, characterized in containing Ag in the range of 3 to 20 mass%, Cr in the range of 0.5 to 1.5 mass%, Zr in the range of 0.05 to 0.5 mass%, and Cu as the remainder.
2. A copper base alloy, characterized in containing Ag in the range of 3 to 8.5 mass%, Cr in the range of 0.5 to 1.5 mass%, Zr in the range of 0.05 to 0.5 mass%, and Cu as the remainder.
3. A method for producing a casting, characterized in including a first step for melting a copper base alloy according to claim 1; a second step for forming the molten material obtained in the first step into a specific shape by rapidly solidifying during casting; and a third step for precipitation strengthening the formed article obtained in the second step by carrying out an aging treatment for precipitation at a temperature in the range of 450 to 500°C.
4. A method for producing a forging, characterized in including a first step for melting a copper base alloy according to claim 2; a second step for solidifying the molten material obtained in the first step by casting; and a third step for forming the solidified article or the hot worked article thereof that was obtained in the second step into a specific shape and precipitation strengthening, by applying an aging treatment for precipitation and a thermomechanical treatment using forging or rolling.

5. A method for producing a forging according to claim 4, characterized in that the thermomechanical treatment in the third step is carried out at a temperature of 550 °C or less.